



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor

Kathleen Clarke  
Executive Director

Lowell P. Braxton  
Division Director

1594 West North Temple, Suite 1210  
PO Box 145801  
Salt Lake City, Utah 84114-5801  
801-538-5340  
801-359-3940 (Fax)  
801-538-7223 (TDD)

November 7, 2000

Develon Wurth  
Rock Products of Utah, Inc.  
843 South Main  
Heber City, Utah 84032

Re: Notice of Tentative Approval to Commence Large Mining Operations, Rock Products of Utah, Inc., Brown's Canyon Rock Quarry, M/043/017, Summit County, Utah

Dear Mr. Wurth:

The Division has completed a review of your Notice of Intention to Conduct Large Mining Operations received August 21, 2000. We could not review this proposal until we received your permit application fee for a large mining notice. The permit fee was received on September 5, 2000. After reviewing the notice, the Division is now prepared to grant tentative approval of the Brown's Canyon Rock Quarry large mining permit application. We will now prepare to publish a formal notice of tentative approval in the appropriate Salt Lake City and Summit County newspapers. This will begin the required 30-day public comment period. If no substantive comments are received during the public comment period, the Division will then be prepared to issue its final approval for this project.

*Prior to issuing final approval, a Reclamation Contract (Form MR-RC) must be completed and filed with this office (copy enclosed). A \$23,600 reclamation surety (estimate attached) which is tied directly to the Reclamation Contract must also be provided. Please submit these documents prior to the end of the 30-day public comment period. Please let us know which type of surety you propose to post so we can provide you with the appropriate form. Please provide us with a "draft" copy of the completed reclamation contract and surety form before they are finalized so we can review them for completeness and accuracy.*

Thank you for your cooperation and patience in completing this permitting process.

Sincerely,

D. Wayne Hedberg  
Permit Supervisor  
Minerals Regulatory Program

jb

Attachment: surety estimate

Enclosure: Form MR-RC

cc: Lesli Burns, Summit County Planning  
M43-17-tent

**RECLAMATION SURETY ESTIMATE****Rock Products of Utah**

last revision

08/02/00**Brown's Canyon Rock Quarry**

filename M043-017.WB2

**M/043/017****Summit County****Prepared by Utah State Division of Oil, Gas & Mining****-This estimate uses a D8 size dozer for most earthwork****All Slopes Will Be left at 3:1 – Slopes to be reduced by placing material against highwall or some blasting may be used to reduce overall slope.****Note: actual unit costs may vary according to site conditions last unit cost update 2-Aug-2000****-Amount of disturbed area which will receive reclamation treatments = 10.0 acres****-Estimated total disturbed area for this mine = 10.0 acres**

<u>Activity</u>	<u>Quantity</u>	<u>Units</u>	<u>\$/unit</u>	<u>\$</u>	<u>Note</u>
Safety gates, signs, etc. (mtls & installation)	2	sum	200	400	(1)
Debris & equipment removal - trucking	4	trips	50	200	(3)
Demolition & debris removal - general labor	6	hours	15	90	(6)
Regrading facilities areas (1 ft depth)	1.0	acre	502	502	(7)
Regrading waste dump slopes	4,000	CY	0.50	2,000	(8)
Ripping waste dump tops	1.5	acre	234	351	(9)
Ripping stockpile & compacted areas	2.5	acre	234	585	(9)
Ripping pit floors	3.0	acre	234	702	(9)
Ripping pit access roads	0.5	acre	234	117	(9)
Creating safety berms or barriers around highwalls	3,000	LF	0.16	480	(10)
Ripping access roads - dozer	1.5	acre	234	351	(9)
Sidecast mtl replacement on steep roads- trackhoe	800	LF	1.09	872	(11)
Topsoil replacement - dozer	8000	CY	0.50	4,000	(12)
Composted manure (10 ton/acre)	10.0	acre	300	3,000	(00)
Broadcast seeding	10.0	acre	170	1,700	(00)
General site cleanup & trash removal	5.0	acre	50	250	(00)
Equipment mobilization	2	equip	1000	2,000	(00)
Reclamation Supervision	2	days	386	772	(15)
		Subtotal		18,372	
10% Contingency				1,837	
		Subtotal		\$20,209	
Escalate for 5 years at 3.13% per yr				3,367	
		Total		\$23,576	
		Rounded surety amount in yr 2005-\$		\$23,600	
Average cost per disturbed acre =		\$2,360			

**RECLAMATION SURETY ESTIMATE****Rock Products of Utah****Brown's Canyon Rock Quarry****M/043/017****Prepared by Utah State Division of Oil, Gas & Mining****last unit cost update**

last revision

08/02/00

filename M043-017WB2

**Summit County**08/02/00**Note**

- (1) DOGM lump sum assumed
- (2) Means Heavy Construction Cost Data 2000, 02220-100-0100, mix of bldg. types, avg., excluding dump fees
- (3) Means 2000, 02225-730-5100, bldg demo, rubbish handling, \$0.50/CY permile for >8CY truck; assumed 100 miles round trip
- (4) Means 2000, 02225-740-0100, dump charges, typical urban city, tipping fees only, bldg construction mtl's
- (5) Rental Rate Blue Book 3Q/00, Cat 988B, 7CY \$85.64hr+\$39.60/hr, & Means 2000, Crew B-10U, loading trucks only\$40.87
- (6) DOGM assumed wage for unskilled general labor
- (7) Means 2000 & Blue Book 3Q/00: Cat D8N, U, mtl 2550 lb/CY, 50 ft push, 1 ft depth
- (8) Means 2000 & Blue Book 3Q/00: Cat D8N, U, mtl 2550 lb/CY, 100 ft push
- (9) Means 2000 & Blue Book 3Q/00: Cat D8N, U, multi shank rippers, speed 1.0 mph
- (9) Means 2000 & Blue Book 3Q/00: Cat D8N, U, multi shank rippers, speed 1.0 mph
- (9) Means 2000 & Blue Book 3Q/00: Cat D8N, U, multi shank rippers, speed 1.0 mph
- (9) Means 2000 & Blue Book 3Q/00: Cat D8N, U, multi shank rippers, speed 1.0 mph
- (10) Means 2000 & Blue Book 3Q/00: Cat D8N, U, mtl 2550 lb/CY, 50 ft push, used avg vol 0.5CY/LF-berm
- (9) Means 2000 & Blue Book 3Q/00: Cat D8N, U, multi shank rippers, speed 1.0 mph
- (7) Means 2000 & Blue Book 3Q/00: Cat D8N, U, mtl 2550 lb/CY, 50 ft push, 1 ft depth
- (11) Contractor's actual costs, 1991 at E/053/012 escalated to 2000-\$, Cat 225 Excavator, 20 ft wide road
- (10) Means 2000 & Blue Book 3Q/00: Cat D8N, U, mtl 2550 lb/CY, 50 ft push, used avg vol 0.5CY/LF-berm
- (12) Means 2000 & Blue Book 3Q/00: Cat D8N, U, mtl 2550 lb/CY, 100 ft push
- (13) Means 2000 & Blue Book 3Q/00: Cat 627F P-P, mtl 2550 lb/CY, 2,000 ft haul one-way, grade +/- 4%,
- (14) Means 2000 02320-200-2030: earthwork, hauling excavated or borrow material, off highway hauler, 22 CY, 1 mile round trip, no loading inclu
- (00) DOGM general estimate - mulching
- (00) DOGM general estimate - fertilizing
- (00) DOGM general estimate - manure \$16/ton delivered, \$14 ton/acre spreading
- (00) DOGM general estimate - broadcast seeding
- (00) DOGM general estimate - drill seeding
- (00) DOGM general estimate - hydroseeding
- (00) DOGM general estimate - site cleanup & trash removal
- (00) DOGM general estimate - equipment mobilization
- (15) Means 2000, 01300-700-0180, project manager, minimum \$1,930/wk